

Attorney Docket No. P20797

Application No. 09/810,670



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Akiko ITAI et al.

Group Art Unit: 1631

Appln. No. : 09/810,670

Examiner: Marjorie A. MORAN

(Continuation of U.S. Appln. No. 09/068,459 which is
U.S. National Stage entry of PCT/JP1996/003325)

I.A. Filed : November 13, 1996

Confirmation No.: 9032

For : DESIGN METHOD OF PHYSIOLOGICALLY ACTIVE COMPOUND

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop Amendment
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

Further to the Information Disclosure Statements filed November 14, 2001, July 3, 2002, and June 8, 2006, and in accordance with the duty of disclosure under 37 C.F.R. § 2.56, 1.97, and 1.98, Applicants hereby call to the Examiner's attention the following information, which includes documents cited in an European Office Action dated May 30, 2007, issued in connection with corresponding European Application No. EP 96 938 454.4. In particular, the European Examiner cited:

P. WILLETT, "Searching for Pharmacophoric Patterns in Databases of Three-Dimensional Chemical Structures", Journal of Molecular Recognition, Vol. 8, pp. 290-303 (1995);

J. BARNARD, "Substructure Searching Methods: Old and New", J. Chem. Inf. Comput. Sci., Vol. 33, pp. 532-538 (1993);

J. BARNARD et al., "Clustering of Chemical Structures on the Basis of Two-Dimensional Similarity Measures", J. Chem. Inf. Comput. Sci., Vol. 32, pp. 644-649 (1992);

C. PEPPERRELL et al., "Implementation and Use of An Atom-Mapping Procedure for Similarity Searching in Databases of 3-D Chemical Structures", Tetrahedron Computer Methodology, Vol. 3, No. 6C, pp. 575-593 (1990);

T. HAGADONE, "Molecular Substructure Similarity Searching: Efficient Retrieval in Two-Dimensional Structure Databases", J. Chem. Inf. Comput. Sci., Vol. 32, pp. 515-521 (1992);

A. BRINT et al., "Pharmacophoric Pattern Matching in Files of 3D Chemical Structures: Comparison of Geometric Searching Algorithms", Journal of Molecular Graphics, Vol. 5, No. 1, pp. 49-56 (1987); and

G. BEMIS et al., "A Fast and Efficient Method for 2D and 3D Molecular Shape Description", Journal of Computer-Aided Molecular Design, Vol. 6, pp. 607-628 (1992).


Copies of the above-listed documents and the Office Action issued in European Application No. EP 96 938 454.4 are enclosed together with a completed copy of the PTO-1449 Form listing these documents. Accordingly, the Examiner is requested to consider these documents and to indicate such consideration by returning a signed and initialed copy of the PTO-1449 Form with the next official communication.

Under 37 CFR 1.97, "an information disclosure statement shall be considered by the Office if filed by the applicant...[b]efore the mailing of a first Office action after the filing of a request for continued examination under § 1.114." Applicants note that a Request for Continued Examination was filed on June 14, 2007, and an Office Action on the merits has not yet issued

since the filing of the Request for Continued Examination, and thus, no fee is necessary to ensure consideration of this statement. However, if an Office Action has issued and is crossing in the mail with this statement, the Patent and Trademark Office is hereby authorized to charge Deposit Account No. 19-0089 any fee necessary to ensure consideration of the submitted materials.

If there should be any questions, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,
Akiko ITAI et al.



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FORM PTO-1449

U.S. Department of Commerce
Patent and Trademark OfficeAtty. Docket No.
P20797Application No.
09/810,670INFORMATION DISCLOSURE STATEMENT
BY APPLICANT

(Use several sheets if necessary)

Applicant
Akiko ITAI et al.Filing Date
November 13, 1996Group
1631

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	P. WILLETT, "Searching for Pharmacophoric Patterns in Databases of Three-Dimensional Chemical Structures", Journal of Molecular Recognition, Vol. 8, pp. 290-303 (1995).
	2	J. BARNARD, "Substructure Searching Methods: Old and New", J. Chem. Inf. Comput. Sci., Vol. 33, pp. 532-538 (1993).
	3	J. BARNARD et al., "Clustering of Chemical Structures on the Basis of Two-Dimensional Similarity Measures", J. Chem. Inf. Comput. Sci., Vol. 32, pp. 644-649 (1992).
	4	C. PEPPERRELL et al., "Implementation and Use of An Atom-Mapping Procedure for Similarity Searching in Databases of 3-D Chemical Structures", Tetrahedron Computer Methodology, Vol. 3, No. 6C, pp. 575-593 (1990).
	5	T. HAGADONE, "Molecular Substructure Similarity Searching: Efficient Retrieval in Two-Dimensional Structure Databases", J. Chem. Inf. Comput. Sci., Vol. 32, pp. 515-521 (1992).
	6	A. BRINT et al., "Pharmacophoric Pattern Matching in Files of 3D Chemical Structures: Comparison of Geometric Searching Algorithms", Journal of Molecular Graphics, Vol. 5, No. 1, pp. 49-56 (1987).
	7	G. BEMIS et al., "A Fast and Efficient Method for 2D and 3D Molecular Shape Description", Journal of Computer-Aided Molecular Design, Vol. 6, pp. 607-628 (1992).

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.